

CLAIMS

1. Belt sander, comprising:

- a housing;

5 - two rollers which are bearing mounted in the housing and which are adapted to guide a sanding belt, wherein a sanding surface lies parallel to the common external tangent plane of the rollers and wherein a sanding area is located between the rollers in the sanding surface;

10 - a support structure placed between the rollers for supporting the sanding belt, and

- a sanding depth reference member extending on at least one side of the sanding area for the purpose of obtaining a reference surface,

15 **characterized in that** the sanding depth reference member lies against the support structure and is adapted to support the sanding belt in the sanding area.

2. Belt sander as claimed in claim 1,
20 **characterized in that** the sanding depth reference member extends on two opposite sides of the sanding area.

3. Belt sander as claimed in claim 1 or 2,
 characterized in that the sanding depth reference member extends on four sides of the sanding area.

4. Belt sander as claimed in any of the foregoing
25 claims, **characterized in that** the sanding depth reference member comprises a recess for receiving the sanding belt.

5. Belt sander as claimed in any of the foregoing
 claims, **characterized in that** a part of the sanding depth reference member is adjustable in the height.

30 6. Belt sander as claimed in any of the foregoing claims, **characterized in that** the sanding depth reference member is height-adjustable on at least one side of the sanding area.

7. Belt sander as claimed in any of the foregoing claims, **characterized in that** the sanding depth reference member comprises a bent metal plate.

8. Belt sander as claimed in claim 7,
5 **characterized in that** the plate comprises a plate strip on one side of the sanding area, the length of which strip transversely of the axis of each roller is greater than the corresponding length of the support structure.

9. Belt sander as claimed in claim 7,
10 **characterized in that** the plate comprises a plate strip on one side of the sanding area, the length of which strip transversely of the axis of each roller is substantially equal to or smaller than the corresponding length of the support structure.

15 10. Belt sander as claimed in claim 8 or 9, **characterized in that** located opposite the plate strip is a second plate strip which is connected to plate strips extending on the front and rear sides of the rollers.

11. Belt sander as claimed in any of the
20 foregoing claims, **characterized in that** the sanding depth reference member comprises a fixation ear extending to the support structure.

12. Belt sander as claimed in any of the foregoing claims, **characterized in that** the belt sander is
25 a parquet sanding machine.

13. Belt sander as claimed in any of the foregoing claims, **characterized in that** the sanding depth reference member is connected non-releasably to the support structure.

30 14. Assembly of a belt sander as claimed in any of the claims 1-13 and a sanding belt, wherein the sanding depth reference member extends between the support structure and the sanding belt.

15. Sanding depth reference member for a belt sander as claimed in any of the claims 1-13 or an assembly as claimed in claim 14.